

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12446	radar and resolution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:05
L2	593982	imaging imager map mapper mapping	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:05
L3	11849	1 and "2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:06
L4	5278	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:06
L5	10567	subband or sub-band or (sub adj band)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:06
L6	115	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:07
L7	3790	filter same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:07
L8	41	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:07

L9	29	8 and @ad<="20040317"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:17
L10	2284	((342/25R) or (342/25A) or (342/25B) or (342/25C) or (342/25D) or (342/25E) or (342/25F) or (342/90) or (342/101) or (342/111) or (342/115) or (342/116) or (342/191) or (342/194) or (342/195) or (342/196)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/21 08:17
L11	2062	10 and @ad<="20040317"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/21 08:17

## SEARCH NOTES FOR EAST AND IEEE

SERIAL NUMBER

10802980

EAST: search history attached

Search terms: radar <and> resolution <and> (imaging <or> imager <or> map <or> mapper <or> mapping) <and>  
(subband <or> sub-band)

**"Ultrawide-band coherent processing", Cuomo, K.M.; Pion, J.E.; Mayhan, J.T.;**  
Antennas and Propagation, IEEE Transactions on, Vol: 47 , Issue: 6, June 1999  
Ps:1094-1107

**"High resolution synthetic aperture radar using a multiple sub-band  
technique", Cooper, P.S.; Wons, A.F.; Gaskell, A.P.;**Radar 97 (Conf. Publ. No.  
449), 14-16 Oct. 1997 Ps:263 - 267

**"A subband algorithm for real-time autofocusing of SAR images", Bierens, L.;**  
IGARSS '94. 'Surface and Atmospheric Remote Sensing: Technologies, Data Analysis  
and Interpretation', Vol: 2, 8-12 Aug. 1994 Ps:915-917

## INSPEC SEARCH

Search terms: radar and resolution and (imaging or imager or map or mapper or mapping) and (subband or sub-band)

### **document 1 of 19** [Order Document](#)

#### **INSPEC - 1969 to date (INZZ)**

##### **Title**

"A new methodology for synthetic aperture **radar** (SAR) raw data compression based on wavelet transform and neural networks",

##### **Author(s)**

Capizzi-G; Coco-S; Laudani-A; Pappalardo-G; Ed. by Rutkowski-L; Siekman-J; Tadeusiewicz-R; Zadeh-L-A.

##### **Source**

Artificial Intelligence and Soft Computing - ICAISC 2004. Proceedings, Zakopane, Poland, 7-11 June 2004.  
In: p.676-81, 2004.

##### **Publication year**

2004.

##### **Publication type**

CPP Conference Paper.

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### **document 2 of 19** [Order Document](#)

#### **INSPEC - 1969 to date (INZZ)**

##### **Title**

Object recognition in **subband** transform-compressed images by use of correlation filters.

##### **Author(s)**

Daniell-C; Mahalanobis-A; Goodman-R.

##### **Source**

Applied-Optics (USA), vol.42, no.32, p.6474-87, 10 Nov. 2003. , Published: Opt. Soc. America.

##### **Publication year**

2003.

##### **Publication type**

J Journal Paper.

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### **document 3 of 19** [Order Document](#)

#### **INSPEC - 1969 to date (INZZ)**

##### **Title**

SAR raw data compression by **subband** coding.

##### **Author(s)**

Pascasio-V; Schirinzi-G.

##### **Source**

IEEE-Transactions-on-Geoscience-and-Remote-Sensing (USA), vol.41, no.5, p.964-76, May 2003. , Published: IEEE.

##### **Publication year**

2003.

##### **Publication type**

J Journal Paper.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

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☒ **document 4 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Integrated speckle reduction and edge detection of SAR images using overcomplete wavelet decomposition.

**Author(s)**

[Thitimajshima-P.](#)

**Source**

Wavelet and Independent Component Analysis Applications IX, Orlando, FL, USA, 3-5 April 2002.

Sponsors: SPIE.

In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA), vol.4738, p.313-16, 2002.

**Publication year**

2002.

**Publication type**

CPP Conference Paper, J Journal Paper.

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☒ **document 5 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Multiresolution quadtree beamformer.

**Author(s)**

[Seung-mok-Oh](#); [McClellan-J-H.](#)

**Source**

Proceedings of International Conference on Acoustics, Speech and Signal Processing (CASSP'02), vol.3, Orlando, FL, USA, 13-17 May 2002. Sponsors: IEEE Signal Process. Soc.

In: p.III-2937-40 vol.3, 2002.

**Publication year**

2002.

**Publication type**

CPP Conference Paper.

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☒ **document 6 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Subband STAP processing, the fifth generation.

**Author(s)**

[Steinhardt-A-O](#); [Pulsone-N-B.](#)

**Source**

Proceedings of the 2000 IEEE Sensor Array and Multichannel Signal Processing Workshop, Cambridge, MA, USA, 16-17 March 2000.

Sponsors: IEEE Signal Process. Soc., Lincoln Lab., Massachusetts Inst. Technol.

In: p.1-6, 2000.

**Publication year**

2000.  
**Publication type**  
CPP Conference Paper.

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☒ **document 7 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Terahertz lasers using **inter-subband** transitions in quantum wells: predictions from Monte Carlo simulation.

**Author(s)**

[Kinsler-P](#); [Kelsall-R-W](#); [Harrison-P](#).

**Source**

Eleventh International Conference on Nonequilibrium Carrier Dynamics in Semiconductors. HCIS-11, Kyoto, Japan, 19-23 July 1999.  
Sponsors: IUPAP, Phys. Soc. Japan, Japan Soc. Appl. Phys., IEEE Electron. Devices Soc. Tokyo.  
In: Physica-B (Netherlands), vol.272, no.1-4, p.226-9, Dec. 1999.

**Publication year**

1999.

**Publication type**

CPP Conference Paper, J Journal Paper.

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☒ **document 8 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Sub-Riemannian geometry and clinical magnetic resonance tomography.

**Author(s)**

[Schempp-W](#).

**Source**

Mathematical-Methods-in-the-Applied-Sciences (UK), vol.22, no.11, p.867-922, 25 July 1999. ; Published: B.G. Teubner; Wiley.

**Publication year**

1999.

**Publication type**

J Journal Paper.

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☒ **document 9 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Ultrawide-band coherent processing.

**Author(s)**

[Cuomo-K-M](#); [Pion-J-E](#); [Mayhan-J-T](#).

**Source**

IEEE-Transactions-on-Antennas-and-Propagation (USA), vol.47, no.6, p.1094-107, June 1999. ; Published: IEEE.

**Publication year**

1999.

**Publication type**

J Journal Paper.

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☒ **document 10 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

**Subband** prescreening of foliage-penetrating SAR imagery.

**Author(s)**

Miller-T-R; Potter-L-C.

**Source**

Algorithms for Synthetic Aperture **Radar** Imagery V, Orlando, FL, USA, 14-17 April 1998.

Sponsors: SPIE.

In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA), vol.3370, p.279-88, 1998.

**Publication year**

1998.

**Publication type**

CPP Conference Paper, J Journal Paper.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

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☒ **document 11 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Ultra-wideband coherent processing.

**Author(s)**

Cuomo-K-M; Piou-J-E; Mayhan-J-T.

**Source**

Lincoln-Laboratory-Journal (USA), vol.10, no.2, p.203-22, 1997. , Published: Lincoln Lab. MIT.

**Publication year**

1997.

**Publication type**

J Journal Paper.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

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☒ **document 12 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

**Subband** decomposition based on the Hilbert transform applied to **radar imaging**.

**Author(s)**

Rouquette-S; Berthoumieu-Y; Najim-M; Ed. by Ramponi-G; Sicuranza-G-L; Carrato-S; Marsi-S.

**Source**

Proceedings EUSIPCO-96, VII European Signal Processing Conference, vol.1, Trieste, Italy, 10-13 Sept. 1996.

In: p.714-17 vol.1, 1996.

**Publication year**

1996.

**Publication type**

CPP Conference Paper.



**document 13 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

Enhanced **resolution imaging** from irregular samples.

**Author(s)**

Early-D-S; Long-D-G; Ed. by Stein-T-I.

**Source**

IGARSS'97. 1997 IEEE International Geoscience and Remote Sensing Symposium Proceedings. Remote Sensing - A Scientific Vision for Sustainable Development, vol.4, Singapore, 3-8 Aug. 1997.  
Sponsors: IEEE Geosci. & Remote Sensing Soc., Centre for Remote **Imaging**, Sensing & Processing, Nat. Univ. Singapore, NASA, NOAA, Office of Naval Res., URSI.  
In: p.1844-6 vol.4, 1997.

**Publication year**

1997.

**Publication type**

CPP Conference Paper.



**document 14 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

High **resolution** synthetic aperture **radar** using a multiple **sub-band** technique.

**Author(s)**

Cooper-P-S; Wons-A-F; Gaskell-A-P.

**Source**

Proceedings of **Radar** Systems (Conf. Publ. No.449), Edinburgh, UK, 14-16 Oct. 1997.  
Sponsors: IEE.  
In: p.263-7, 1997.

**Publication year**

1997.

**Publication type**

CPP Conference Paper.



**document 15 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

High quality spotlight SAR processing algorithm designed for LightSAR mission.

**Author(s)**

Jin-M-Y; Ed. by Stein-T-I.

**Source**

IGARSS'97. 1997 IEEE International Geoscience and Remote Sensing Symposium Proceedings. Remote Sensing - A Scientific Vision for Sustainable Development, vol.1, Singapore, 3-8 Aug. 1997.  
Sponsors: IEEE Geosci. & Remote Sensing Soc., Centre for Remote **Imaging**, Sensing & Processing, Nat. Univ. Singapore, NASA, NOAA, Office of Naval Res., URSI.  
In: p.477-80 vol.1, 1997.

**Publication year**

1997.  
**Publication type**  
CPP Conference Paper.

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☒ **document 16 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**  
Wavelets in **high-resolution radar imaging** and clinical magnetic resonance tomography.

**Author(s)**  
[Schempp-W.](#)

**Source**  
Cybernetics-and-Systems (USA), vol.28, no.1, p.1-23, Jan.-Feb. 1997. , Published: Taylor & Francis.

**Publication year**  
1997.

**Publication type**  
J Journal Paper.

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☒ **document 17 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**  
Wavelet transform based SAR processing and products distribution system.

**Author(s)**  
[Khan-N](#); [Soraghan-J-J](#); [Voukelatos-S](#); [Durrani-T](#).

**Source**  
IEE Colloquium on Image Processing for Remote Sensing (Ref. No.1996 /027), London, UK, 13 Feb. 1996.  
Sponsors: IEE.  
In: p.7/1-5, 1996.

**Publication year**  
1996.

**Publication type**  
CPP Conference Paper.

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☒ **document 18 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**  
Segmentation of SAR images using the wavelet transform.

**Author(s)**  
[Li-Jen-Du](#); [Jong-Sen-Lee](#); [Hoppel-K](#); [Mango-S-A](#).

**Source**  
**International-Journal-of-Imaging-Systems-and-Technology** (USA), vol.4, no.4, p.319-26, Winter 1992.

**Publication year**  
1992.

**Publication type**  
J Journal Paper.



**document 19 of 19** [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Title**

A **subband** algorithm for real-time autofocusing of SAR images.

**Author(s)**

Bierens-L.

**Source**

Proceedings of IGARSS '94 - 1994 IEEE International Geoscience and Remote Sensing Symposium, vol.2, Pasadena, CA, USA, 8-12 Aug. 1994.  
Sponsors: IEEE, IEEE Geosci. & Remote Sensing Soc., URSI, Opt. Soc. America, NASA, Office of Naval Res.  
In: p.915-17 vol.2, 1994.

**Publication year**

1994.

**Publication type**

CPP Conference Paper.

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